

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2003/002711

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A01N 31/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A01N 31/06, C07D 303/12, C07D 493/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and Applications for Inventions since 1975; Korean Utility Models and Applications for Utility Models since 1975
Japanese Utility Models and Applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	KR 2003-11474 A (Korea Research Institute of Bioscience and Biotechnology) 11 Feb. 2003 See whole document	1
X, P	KR 2003-85288 A (Korea Research Institute of Bioscience and Biotechnology) 5 Nov. 2003 See whole document	1,2
Y, P	KR 2003-12722 A (Korea Research Institute of Bioscience and Biotechnology) 12 Feb. 2003 See whole document	1,3
A	US 5,968,749 A (Chang et al.) 19 Oct. 1999 See whole document	1
A	US 5,834,283 A (Trustees of Dartmouth College) 10 Nov. 1998 See whole document	1

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search

18 MARCH 2004 (18.03.2004)

Date of mailing of the international search report

20 MARCH 2004 (20.03.2004)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR2003/002711

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2003-11474 A	11.02.2003	None	
KR 2003-85288 A	05.11.2003	None	
KR 2003-12722 A	12.02.2003	None	
US 5,968,749 A	19.10.1999	None	
US 5,834,283 A	10.11.1998	None	